

DUAL CAMERA SURVEILLANCE AND CONTROL SYSTEM

ABSTRACT OF THE DISCLOSURE

A dual camera surveillance and control system comprises a high sensitivity mono camera with enhanced infrared response, an infrared illuminator array for zero ambient light surveillance, a color camera that does not need to be enhanced in the infra red spectrum, ambient light level sensing, video signal switching technology, power conversion circuitry, optimized mono imaging under low or no light conditions and optimized color rendered imaging during high ambient light conditions, with both imaging modes achieving high quality focus. The dual camera nature of the system is transparent to the user due to the integrated automated control of the system, and allows reduced power consumption, making the system suitable for a wireless, remote, self-contained system that draws power from the ambient environment.

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ABSTRACT OF THE DISCLOSURE

~~The present invention provides a dual camera surveillance and control system. The system~~
comprises a high sensitivity mono camera with enhanced infrared response, an infrared
illuminator array for zero ambient light surveillance, and a color camera that does not need to be
enhanced in the infra red spectrum. ~~The system also comprises ambient light level sensing, video~~
signal switching technology and power conversion circuitry. ~~The system combines optimized~~
mono imaging under low or no light conditions ^{and} optimized color rendered imaging during
high ambient light conditions, with both ^{imaging modes} achieving high quality focus. The dual camera nature of
the system is transparent to the user due to the integrated automated control of the system, and
allows reduced power consumption, making the system suitable for a wireless, remote,
self-contained system that draws power from the ambient environment.

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